

DEPARTMENT OF UTILITIES

Wastewater Fund

FY 2012 Adopted Budget - City of Fairfax, Virginia

| |
|---|
| <p align="center">City of Fairfax, Virginia FY 2012 Wastewater Fund Budget Summary</p> |
|---|

| | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
|--|----------------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| Revenues | | | | |
| Operating Revenues | | | | |
| Residential Sales | \$1,457,432 | \$1,560,153 | \$1,546,300 | \$1,707,800 |
| Commercial Sales | 1,822,258 | 1,959,185 | 2,054,300 | 2,239,200 |
| Subtotal Operating Revenues | 3,279,690 | 3,519,337 | 3,600,600 | 3,947,000 |
| Availability Charges | 223,358 | 697,500 | 697,500 | 173,900 |
| Other Revenues | | | | |
| Interest | 650 | 20,000 | 15,000 | 25,000 |
| Interfund Transfer | 10,000 | 0 | 0 | 0 |
| Miscellaneous / Financing Reimbursements | 29,597 | 15,000 | 236,744 | 448,426 |
| Subtotal Other Revenues | 40,247 | 35,000 | 251,744 | 473,426 |
| Other Financing Sources | 0 | 660,000 | 3,363,031 | 380,000 |
| Total Revenues | \$3,543,295 | \$4,911,837 | \$7,912,875 | \$4,974,326 |
| Expenses | | | | |
| Operating Expenses | | | | |
| Wastewater Treatment – Operating | \$1,892,490 | \$2,249,573 | \$2,100,000 | \$2,100,000 |
| Wastewater Treatment – Capital | 0 | 0 | 3,083,031 | 0 |
| Line Maintenance | 942,953 | 1,080,700 | 795,200 | 927,338 |
| Administrative & Engineering | 939,839 | 969,924 | 823,074 | 826,160 |
| Subtotal Operating Costs | 3,775,282 | 4,300,197 | 6,801,305 | 3,853,498 |
| Other Expenses | | | | |
| Contingent Reserve | 0 | 0 | 0 | 0 |
| Debt Service | 0 | 0 | 407,681 | 812,515 |
| Subtotal Other Expenses | 0 | 0 | 407,681 | 812,515 |
| Total Expenses | \$3,775,282 | \$4,300,197 | \$7,208,986 | \$4,666,013 |
| Cash Balance - June 30 | \$271,574 | \$392,145 | \$975,464 | \$1,283,776 |
| Total FTE | 8 | 8 | 8 | 8.6 |

FY 2012 Adopted Budget - City of Fairfax, Virginia

FUNCTION: Wastewater Services

DEPARTMENT: Utilities

DIVISION OR ACTIVITY: County Wastewater Treatment Contract

BUDGET COMMENTS:

The City-County contract is projected to decrease in FY 2012 by 6.7% (\$149,600).

With regard to capital assets Fairfax County formally notified the City in 2009 that major plant upgrades are required due to an EPA mandated nitrogen reduction program and plant renovations. The City's share of the total cost when finalized will be 6.27%, which equates to the capacity that the City is allocated for sewage treatment. Figures provided by the County continue to be a work-in-progress and equate to \$7.8 million for the nitrogen removal and up to a maximum \$15 million for plant renovations. Renovation and construction costs are contingent upon the final scope of work and construction change orders. The City-County FY 2011 estimate notes a significantly higher expense of \$5.18 million based upon a repayment (\$3.08 million) to Fairfax County for completed work for nitrogen removal and plant renovations from FY 2007 to FY 2010.

PROGRAM:

Wastewater originating in the City's Wastewater system is treated by Fairfax County in its Noman M. Cole, Jr. Pollution Control Plant by a contractual agreement that provides a reserved treatment capacity for the City.

GOAL:

To ensure effective Wastewater services to city customers and to make sure treatment capacity is available for future use by administering the sewage treatment contract with Fairfax County.

OBJECTIVES:

- To determine how much capacity is available for future use by measuring and monitoring city sewage flows to Fairfax County's Noman M. Cole, Jr. Pollution Control Plant and make recommendations to purchase additional capacity.
- To monitor the city's payments to the county for treatment, capital improvement, operations and maintenance costs to ensure costs to city customers are competitive.

SERVICES AND PRODUCTS:

- Metering, treatment and disposal of wastewater for residents and businesses

PERFORMANCE MEASURES:

| Indicators | FY 2009 Actual | FY 2010 Actual | FY 2011 Estimated | FY 2012 Projected |
|--|---------------------------|---------------------------|------------------------------|------------------------------|
| Output Measures | | | | |
| Average daily flow (Millions Gallons Daily–MGD) | 3.9 | 3.9 | 3.9 | 4.0 |
| Outcome Measures | | | | |
| % Utilization 4.2 MGD Avg Capacity | 93% | 93% | 93% | 95% |

FY 2012 Adopted Budget - City of Fairfax, Virginia

| Cost Center 435110: County Wastewater Treatment Contract | | | | |
|--|--------------------------|--------------------------|-----------------------------|---------------------------|
| Title | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
| Operating Charges | \$1,892,490 | \$2,249,573 | \$2,100,000 | \$2,100,000 |
| Capital Charges | 0 | 0 | 3,083,031 | 0 |
| Total | \$1,892,490 | \$2,249,573 | \$5,183,031 | \$2,100,000 |

FUNCTION: Wastewater Services

DEPARTMENT: Utilities

DIVISION OR ACTIVITY: Wastewater Line Maintenance

BUDGET COMMENTS:

Overall funding for this cost center reflects a decrease of 14.2% (\$153,400) from the prior fiscal year. Personnel expenses increase by \$130,200 and include a 1.75% market adjustment for all employees on January 1, 2012, but merit (step) increases will remain frozen.

Capital project funding for Wastewater rehabilitation projects accounts for 41% (\$380,000) of the funding for this cost center. These important activities are required to ensure capacity management and avoid sanitary Wastewater overflows and backups. Funding is now available through lease financing that was approved in November 2010. A reduction in overall capital project spending from FY 2011 equates to \$280,000 as monies are not requested for Vehicle Replacement, Sewer Creek Crossing Rehabilitation, and Odor Control Program.

PROGRAM:

Wastewater conveyance pipelines and facilities are maintained and rehabilitated by the Support Services Division (WSSD) of the Utilities Department.

GOAL:

To provide reliable wastewater service by inspecting, cleaning, repairing and rehabilitating the city's wastewater pumping and conveyance network.

OBJECTIVES:

- To minimize the number of wastewater service line backups to less than two per fiscal year
- To minimize the number of wastewater overflows to less than two per fiscal year
- To reduce excessive inflow and infiltration (I/I) by ten percent from FY 2011
- To complete 95% of preventive maintenance activities scheduled

SERVICES AND PRODUCTS:

- Provide well-maintained and unobstructed wastewater conveyance pipelines
- Minimize backups and overflows
- Inspect wastewater pipelines for grease and blockage
- Respond to and resolve odor control issues

FY 2012 Adopted Budget - City of Fairfax, Virginia

FUNCTION: Wastewater Services**DEPARTMENT: Utilities****DIVISION OR ACTIVITY: Wastewater Line Maintenance****PERFORMANCE MEASURES:**

| Indicators | FY 2009 Actual | FY 2010 Actual | FY 2011 Estimated | FY 2012 Projected |
|---|-------------------|-------------------|----------------------|----------------------|
| Output Measures | | | | |
| Feet of pipe and related manholes rehabilitated | 4,288 | 3,906 | 4,747 | 4,500 |
| Pipeline inventory inspected* | | | | 1/3 |
| Percentage of manhole inventory inspected | 95% | 95% | 95% | 95% |

| | | | | |
|---|-----|-----|-----|-----|
| Outcome Measures | | | | |
| Number of sanitary Wastewater overflows | 0 | 0 | 1 | 2 |
| Number of Wastewater service line backups | 1 | 1 | 1 | 2 |
| Percent of preventive maintenance activities achieved | 95% | 95% | 95% | 95% |

* Staff is researching historical data for prior year performance measures.

FY 2012 Adopted Budget - City of Fairfax, Virginia

Cost Center 435120: Wastewater Line Maintenance

| Title | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
|----------------------|--------------------------|--------------------------|-----------------------------|---------------------------|
| Salaries | \$227,408 | \$193,700 | \$221,500 | \$288,868 |
| Fringe Benefits | 103,539 | 96,900 | 117,200 | 131,900 |
| Purchased Services | 12,584 | 25,500 | 25,500 | 25,500 |
| Other Charges | 14,283 | 18,100 | 19,000 | 19,000 |
| Supplies & Materials | 34,991 | 86,500 | 82,000 | 82,070 |
| Capital Outlay | 550,148 | 660,000 | 330,000 | 380,000 |
| Total | \$942,953 | \$1,080,700 | \$795,200 | \$927,338 |

| Personnel Classification | Grade | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
|------------------------------|-------|--------------------------|--------------------------|-----------------------------|---------------------------|
| Crew Supervisor | 18 | 1.0 | 1.0 | 1.0 | 1.0 |
| Utility Worker III | 13 | 1.0 | 1.0 | 1.0 | 1.0 |
| Utility Line Technician | 12 | 0.0 | 0.0 | 0.0 | 1.0 |
| Utility Technician | 11 | 1.0 | 1.0 | 1.0 | 0.0 |
| Utility Worker II | 10 | 1.0 | 1.0 | 1.0 | 1.0 |
| Utility Technician | 9 | 0.0 | 0.0 | 0.0 | 1.0 |
| Utility Maintenance Worker ↓ | 7 | 1.0 | 1.0 | 1.0 | 1.0 |
| Total FTE | | 5.0 | 5.0 | 5.0 | 6.0 |

FUNCTION: Wastewater Services

DEPARTMENT: Utilities

DIVISION OR ACTIVITY: Wastewater Administration

BUDGET COMMENTS:

This cost center reflects decreased funding of 14.9% (\$143,800) from the FY 2011 Adopted Budget. The Management Fee involves charges to the department for its share and use of City services, and notes a minor .67% (\$3,800) increase. Personnel expenses decreased by 43% (\$148,600) and reflect a reassignment of effort provided by the Director who will be increasingly focused on water related activities in FY 2012. As such, increased personnel expenses are now reflected in the Water Administration division. Compensation increases provide for a 1.75% market adjustment on January 1, 2012, but merit (step) increases will remain frozen. Line item increases are seen in travel and training (\$1,000) to continue to build a versatile team and a succession plan. Funds provided for utility engineering activities are allotted at \$30,000 to address planning and development needs for utility management, such as modeling and mapping.

PROGRAM:

Wastewater service management, administration and engineering are provided by the Department of Utilities and include utility billing, customer service, customer issue resolution, and general administration.

GOAL:

To provide effective leadership, managerial, administrative and engineering support to the Wastewater line maintenance division in order to enhance department performance. To strengthen environmental sustainability and meet the City's adopted goal of providing unsurpassed user-friendly, customer-focused business practices.

OBJECTIVES:

- To conduct efficient utility billing for wastewater customers
- To review site plans submitted by developers within 7 business days of submittal
- To manage new connections to the wastewater system
- To manage wastewater conveyance to Fairfax County
- To manage the wastewater Capital Improvement Program
- To have a strong safety program resulting in zero "lost time" accidents for the Department

SERVICES AND PRODUCTS:

- Leadership and management services for Wastewater Services Department
- Utility Billing
- Wastewater emergency response planning
- Sanitary Wastewater and service connection Information Management
- Asset Management
- Records Management

FY 2012 Adopted Budget - City of Fairfax, Virginia

FUNCTION: Wastewater Services

DEPARTMENT: Utilities

DIVISION OR ACTIVITY: Wastewater Administration

PERFORMANCE MEASURES:

| Indicators | FY 2009 Actual | FY 2010 Actual | FY 2011 Estimate | FY 2012 Projected |
|------------|-------------------|-------------------|---------------------|----------------------|
|------------|-------------------|-------------------|---------------------|----------------------|

| |
|------------------------|
| Output Measures |
|------------------------|

| | | | | |
|------------------------------------|-----|-----|-----|-------|
| Site Plans reviewed* | | | 20 | 20 |
| Maintain accurate customer billing | 99% | 99% | 99% | 99.5% |

| |
|-------------------------|
| Outcome Measures |
|-------------------------|

| | | | | |
|---|-----|-----|-----|-----|
| Site plans reviewed within 7 business days (%) | 95% | 90% | 90% | 90% |
|---|-----|-----|-----|-----|

*Staff is researching historical data for prior year performance measures.

FY 2012 Adopted Budget - City of Fairfax, Virginia

Cost Center 435130: Wastewater Administration & Engineering

| Title | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
|----------------------|--------------------------|--------------------------|-----------------------------|---------------------------|
| Salaries | \$255,412 | \$258,200 | \$147,900 | \$143,264 |
| Fringe Benefits | 84,495 | 91,300 | 54,800 | 57,600 |
| Purchased Services | 1,723 | 3,250 | 3,200 | 3,200 |
| Internal Services | 583,644 | 567,174 | 567,174 | 570,996 |
| Other Charges | 13,689 | 19,500 | 19,500 | 20,500 |
| Supplies & Materials | 876 | 500 | 500 | 600 |
| Capital Outlay | 0 | 30,000 | 30,000 | 30,000 |
| Total | \$939,839 | \$969,924 | \$823,074 | \$826,160 |

| Personnel Classification | Grade | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
|---------------------------------|-------|--------------------------|--------------------------|-----------------------------|---------------------------|
| Director of Utilities | 29 | 0.5 | 0.5 | 0.5 | 0.1 |
| Assistant Director of Utilities | 24 | 0.5 | 0.5 | 0.5 | 0.5 |
| Util. Constr. Projects Coord. | 18 | 0.5 | 0.5 | 0.5 | 0.5 |
| Administrative Assistant IV | 14 | 0.5 | 0.5 | 0.5 | 0.5 |
| Utility Billing Clerk | 13 | 1.0 | 1.0 | 1.0 | 1.0 |
| Total FTE | | 3.0 | 3.0 | 3.0 | 2.6 |

FUNCTION: Wastewater Services

DEPARTMENT: Utilities

DIVISION OR ACTIVITY: Wastewater Debt Service

BUDGET COMMENTS:

Commencing in FY 2013, debt financing will fund wastewater conveyance system improvements as well as upgrades to Fairfax County's wastewater treatment plant, the Noman M. Cole, Jr. Pollution Control Facility. The City owns a treatment capacity in the plant of 4.2 million gallons per day.

PROGRAM:

General revenue bonds and debt service instruments are issued, after City Council approval, for projects too large to be funded by current user fee revenues. Such capitalized projects will have a long-term public benefit and ensure adequate capacity for current and future customers.

GOAL:

To ensure an adequate and efficient wastewater conveyance system, that is financially secure, by paying principal and interest (debt service) for bond proceeds issued by the VRA to the City to pay for completed treatment improvements upgrades at Noman Cole, Jr. Pollution Control Plant and the City's pumping and collection system.

OBJECTIVE:

- Retire Debt

SERVICES AND PRODUCTS:

- Payment of principal and interest on debt to bond holders.

FY 2012 Adopted Budget - City of Fairfax, Virginia

Cost Center 435710: Wastewater Debt Service

| Title | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
|--------------|----------------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| Debt Service | \$0 | \$0 | \$407,681 | \$812,515 |
| Total | \$0 | \$0 | \$407,681 | \$812,515 |

FY 2012 Adopted Budget - City of Fairfax, Virginia

Wastewater Fund Expense Detail

| Account | | FY 2010 Actual | FY 2011 Budget | FY 2011 Estimated | FY 2012 Adopted |
|--|-----------------------------------|---------------------------|---------------------------|------------------------------|----------------------------|
| <u>Wastewater Treatment Contract (435110)</u> | | | | | |
| 530835 | City-County Contracts - Operating | \$1,892,490 | \$2,249,573 | \$2,100,000 | \$2,100,000 |
| 530835 | City-County Contracts - CIP | 0 | 0 | 3,083,031 | 0 |
| | Subtotal | \$1,892,490 | \$2,249,573 | \$5,183,031 | \$2,100,000 |
| <u>Wastewater Line Maintenance (435120)</u> | | | | | |
| 511105 | Salaries - Full Time | \$192,124 | \$171,000 | \$192,000 | \$258,852 |
| 511115 | Salaries - Overtime | 21,411 | 15,000 | 20,000 | 20,350 |
| 511130 | On Call Pay | 9,756 | 7,700 | 8,000 | 8,140 |
| 511135 | Holiday Worked | 0 | 0 | 1,500 | 1,526 |
| 511165 | Year End Audit Adj | 4,117 | 0 | 0 | 0 |
| 512110 | Fringe Benefits | 103,539 | 96,900 | 117,200 | 131,900 |
| 530113 | Contract Services | 1,056 | 2,500 | 2,500 | 2,500 |
| 530350 | Building Maintenance | 1,056 | 2,500 | 2,500 | 2,500 |
| 530351 | Equipment Maintenance | 10,472 | 20,500 | 20,500 | 20,500 |
| 550110 | Utilities Expense | 11,494 | 12,000 | 12,500 | 12,500 |
| 550430 | Equipment Rental | 1,554 | 5,000 | 5,000 | 5,000 |
| 550501 | Travel & Training | 1,235 | 600 | 1,000 | 1,000 |
| 550731 | Employee Awards | 0 | 500 | 500 | 500 |
| 560110 | Office Supplies | 1,584 | 2,000 | 1,500 | 1,500 |
| 560420 | Operating Supplies | 6,025 | 19,000 | 20,000 | 19,570 |
| 560430 | Operating Materials | 4,446 | 20,000 | 15,000 | 15,000 |
| 560501 | Chemicals - Other | 22,936 | 45,500 | 45,500 | 46,000 |
| 580105 | Vehicle Replacement | 217,044 | 50,000 | 50,000 | 0 |
| 580108 | Other Mach & Equip Repl. | 14,899 | 0 | 0 | 0 |
| 580410 | Utility Engineering | 2,830 | 0 | 0 | 0 |
| 580428 | Sewage Pump Station Rehab | 187,341 | 0 | 0 | 0 |
| 580429 | Sewer Rehab at Creek Cross. | 0 | 30,000 | 0 | 0 |
| 580441 | Sewer Lining | 96,028 | 250,000 | 250,000 | 250,000 |
| 580442 | Manhole Rehab | 32,006 | 30,000 | 30,000 | 30,000 |
| 580443 | Sewer Trunk Line Rehab. | 0 | 100,000 | 0 | 100,000 |
| 580449 | Odor Control Program | 0 | 200,000 | 0 | 0 |
| | Subtotal | \$942,953 | \$1,080,700 | \$795,200 | \$927,338 |

Wastewater Fund Expense Detail Continued

| Account | | FY 2010 Actual | FY 2011 Budget | FY 2011 Estimated | FY 2012 Adopted |
|---|----------------------|---------------------------|---------------------------|------------------------------|----------------------------|
| <u>Administration & Engineering (435130)</u> | | | | | |
| 511105 | Salaries - Full Time | \$250,574 | \$258,200 | \$147,900 | \$143,264 |
| 511125 | Temporary Help | 4,838 | 0 | 0 | 0 |
| 512110 | Fringe Benefits | 84,495 | 91,300 | 54,800 | 57,600 |
| 530113 | Contract Services | 1,723 | 3,250 | 3,200 | 3,200 |
| 540060 | Management Fee | 583,644 | 567,174 | 567,174 | 570,996 |
| 550501 | Travel & Training | 395 | 1,500 | 1,500 | 2,500 |
| 550806 | Other Services | 13,294 | 18,000 | 18,000 | 18,000 |
| 560110 | Office Supplies | 876 | 500 | 500 | 600 |
| 580410 | Utility Engineering | 0 | 30,000 | 30,000 | 30,000 |
| | Subtotal | \$939,839 | \$969,924 | \$823,074 | \$826,160 |
| <u>Debt Service (435710)</u> | | | | | |
| 590105 | Principal | \$0 | \$0 | \$42,679 | \$44,367 |
| 590110 | Interest | 0 | 0 | 365,002 | 768,148 |
| | Subtotal | \$0 | \$0 | \$407,681 | \$812,515 |
| Total Sewer Fund | | \$3,775,282 | \$4,300,197 | \$7,208,986 | \$4,666,013 |

DEPARTMENT OF UTILITIES

Water Fund

FY 2012 Adopted Budget - City of Fairfax, Virginia

| City of Fairfax, Virginia FY 2012 Water Fund Budget Summary | | | | |
|--|----------------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
| Revenues | | | | |
| Operating Revenues | | | | |
| Residential Sales | \$2,409,371 | \$2,456,409 | \$2,517,800 | \$2,642,700 |
| Commercial Sales | 3,462,577 | 3,788,061 | 4,009,400 | 4,209,900 |
| Wholesale | 1,882,356 | 1,121,896 | 1,295,900 | 1,100,000 |
| Subtotal Operating Revenues | 7,754,304 | 7,366,367 | 7,823,100 | 7,952,600 |
| Availability Charges | 1,358,944 | 654,967 | 691,500 | 387,500 |
| Other Revenues | | | | |
| Interest | (4,165) | 40,000 | 15,000 | 25,000 |
| Miscellaneous / Financing Reimbursements | 206,592 | 32,200 | 238,621 | 430,051 |
| Interfund Transfer | 0 | 0 | 0 | 0 |
| Subtotal Other Revenues | 202,427 | 72,200 | 253,621 | 455,051 |
| Other Financing Sources | 0 | 8,940,000 | 3,365,000 | 8,600,000 |
| Total Revenues | \$9,315,675 | \$17,033,534 | \$12,133,221 | \$17,395,151 |
| Expenses | | | | |
| Operating | | | | |
| Impoundment & Treatment | \$3,252,879 | \$9,758,016 | \$3,458,600 | \$10,059,974 |
| Water Line Maintenance | 1,373,769 | 4,396,846 | 4,219,731 | 3,558,054 |
| Administration & Engineering | 1,828,954 | 1,896,413 | 2,025,123 | 2,129,900 |
| Consumer Services | 820,054 | 879,515 | 858,600 | 839,783 |
| Subtotal Operating Costs | 7,275,656 | 16,930,790 | 10,562,054 | 16,587,710 |
| Other | | | | |
| Debt Service | 376,303 | 377,036 | 579,136 | 953,283 |
| Transfers | 29,261 | 0 | 0 | 0 |
| Contingent Reserve | 0 | 0 | 0 | 0 |
| Subtotal Other | 405,564 | 377,036 | 579,136 | 953,283 |
| Total Expenses | \$7,681,220 | \$17,307,826 | \$11,141,191 | \$17,540,994 |
| Cash Balance - June 30 | \$3,533,827 | \$3,018,908 | \$4,525,857 | \$4,380,015 |
| Total FTE | 34 | 34 | 34 | 34.4 |

FUNCTION: Water Services

DEPARTMENT: Utilities

DIVISION OR ACTIVITY: Impoundment and Treatment

BUDGET COMMENTS:

Total expenses to support treatment operations and maintenance for this cost center is expected to increase by 3.1% (\$302,000) this fiscal year due to the design-build construction program wherein some corrective maintenance will be replaced by construction improvements. An expected increase in capital spending (\$435,000) is attributed to the delay in awarding the design-build contract. This is the result of protracted procurement and related competition for the design-build contract. Operating costs for chemicals and electricity are expected to decrease due to less consumption by Loudoun Water, the City's wholesale customer. It is expected that Ferric Sulfate, a coagulant, will be markedly more expensive in FY 2012 due to the cost of manufacturing resources such as sulfuric acid. Labor costs should increase as a result of successful recruitment and promotions due to staff members receiving higher classifications of licensure needed to maintain plant operations in light of pending retirements. All employees will receive a 1.75% market adjustment on January 1, 2012, but merit (step) increases will remain frozen.

PROGRAM:

The City owns and operates its own water supply system comprised of two reservoirs and a water treatment plant. A 130 million gallon reservoir with a water treatment plant, having a hydraulic capacity of up to 18.0 million gallons per day production, is located on Goose Creek in western Loudoun County. The Beaverdam Creek Reservoir, a 1.4 billion gallon raw water supply, is located upstream of Goose Creek and is a side-storage reservoir receiving its water from Goose Creek during high flow periods. Water from Beaverdam Creek is released back to Goose Creek to supplement the stream during low stream flow periods.

GOAL:

To produce safe and reliable potable drinking water in full compliance with the Safe Drinking Water Act and all related regulations of the Commonwealth and the Environmental Protection Agency. To produce adequate volumes of drinking water to satisfy customer needs. To develop cost scenarios for future water treatment alternatives to enable the City Council to determine the most cost efficient and effective long term water treatment options.

OBJECTIVES:

- To operate and maintain the Goose Creek and the Beaverdam Creek raw water reservoirs, and the Goose Creek Water Treatment Plant 24 hours a day, 365 days a year, with the highest reliability resulting from mechanical and treatment redundancy and high organizational effectiveness.
- To obtain 100% compliance with all Commonwealth and federal drinking water standards and regulations.
- To comply with all Virginia Pollution Discharge Elimination System (VPDES) Permits standards for residual solids generated by the physical-chemical settling and filtrations processes.
- To complete 90% of preventative maintenance activities scheduled.

FY 2012 Adopted Budget - City of Fairfax, Virginia

FUNCTION: Water Services**DEPARTMENT: Utilities****DIVISION OR ACTIVITY: Water Impoundment and Treatment****SERVICES AND PRODUCTS:**

- Purified water of adequate and reliable volume and pressure

PERFORMANCE MEASURES:

| Indicators | FY 2009 Actual | FY 2010 Actual | FY 2011 Estimated | FY 2012 Projected |
|---|-------------------|-------------------|----------------------|----------------------|
| Output Measures | | | | |
| Gallons of water produced (millions) | 3,432 | 3,167 | 3,250 | 3,000 |
| Maintain chemical optimization at the treatment plant to reach 1.00 turbidity units for settled water | 100% | 100% | 100% | 99% |
| Outcome Measures | | | | |
| Compliance with drinking water standards | 100% | 100% | 100% | 100% |
| Compliance with VPDES* permit limits | 100% | 100% | 100% | 100% |
| % Reliability of Plant – 97% | 97.5% | 98% | 98% | 97% |
| * Virginia Pollutant Discharge Elimination System | | | | |

FY 2012 Adopted Budget - City of Fairfax, Virginia
Cost Center 436110: Water Impoundment & Treatment

| Title | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
|----------------------|----------------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| Salaries | \$1,052,430 | \$1,137,816 | \$1,066,700 | \$1,172,974 |
| Fringe Benefits | 385,459 | 423,600 | 415,700 | 455,600 |
| Purchased Services | 171,180 | 360,800 | 251,000 | 432,800 |
| Other Charges | 572,547 | 744,800 | 507,000 | 575,800 |
| Supplies & Materials | 724,570 | 1,191,000 | 728,200 | 1,087,800 |
| Capital Outlay | 346,693 | 5,900,000 | 490,000 | 6,335,000 |
| Total | \$3,252,879 | \$9,758,016 | \$3,458,600 | \$10,059,974 |

| Personnel Classification | Grade | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
|-------------------------------------|--------------|----------------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| Division Superintendent | 24 | 1.0 | 1.0 | 1.0 | 1.0 |
| Program Manager | 19 | 0.0 | 0.0 | 0.0 | 2.0 |
| Shift Supervisor | 19 | 0.0 | 7.0 | 7.0 | 5.0 |
| Class 1 Operator | 18 | 6.0 | 0.0 | 0.0 | 0.0 |
| Class 2 Operator | 16 | 0.0 | 1.0 | 1.0 | 4.0 |
| Class 3 Operator | 13 | 3.0 | 4.0 | 4.0 | 0.0 |
| Water Plant Operator Trainee | 11 | 3.0 | 0.0 | 0.0 | 1.0 |
| Water Plant Mechanic | 15 | 2.0 | 2.0 | 2.0 | 2.0 |
| Water Plant Maintenance Supervisor | 17 | 0.0 | 1.0 | 1.0 | 1.0 |
| Water Plant Assistant | 8 | 1.0 | 0.0 | 0.0 | 0.0 |
| Total FTE | | 16.0 | 16.0 | 16.0 | 16.0 |

FUNCTION: Water Services

DEPARTMENT: Utilities

DIVISION OR ACTIVITY: Water Line Maintenance

BUDGET COMMENTS:

The cost center decreased significantly (19.1% or \$838,800) from the prior fiscal year based on successful completion of programmed capital projects. Capital funding for water related projects is now available through lease financing, which was obtained in FY 2011. Automated meter reading continues its third year and has been successful with all of the installation accomplished utilizing in-house resources. Water main replacement will decrease this year, but more emphasis will be placed on the investigation of the City's 24-inch transmission main to ensure its structural integrity. Personnel expenses provide for a 1.75% market adjustment on January 1, 2012, but merit (step) increases will remain frozen.

PROGRAM:

The 24-inch water transmission line runs 26 miles along the abandoned Washington and Old Dominion Railroad right-of-way and parallels Hunter Mill Road. The transmission main has interconnections to service wholesale customers, Loudoun Water and Fairfax Water (primarily for Oakton). The City also directly serves, on a retail basis, areas of Fairfax County adjoining the City and all of George Mason University.

GOAL:

To provide safe and reliable drinking water through cleaning, repairing and monitoring the transmission main, neighborhood distribution system, and three storage tanks.

OBJECTIVES:

- To maintain average water service interruption to four hours due to water main breaks
- To complete 95% of preventive maintenance activities scheduled.

SERVICES AND PRODUCTS:

- Potable water supply
- Repair water main breaks
- Repair and replace fire hydrants
- Provide maintenance support to Treatment and Impoundment Division.
- Install or replace water mains
- Provide fire suppression water storage

FY 2012 Adopted Budget - City of Fairfax, Virginia

FUNCTION: Water Services**DEPARTMENT: Utilities****DIVISION OR ACTIVITY: Water Line Maintenance****PERFORMANCE MEASURES:**

| | FY 2009 Actual | FY 2010 Actual | FY 2011 Estimated | FY 2012 Projected |
|--|---------------------------|---------------------------|------------------------------|------------------------------|
| Indicators | | | | |
| Output Measures | | | | |
| Feet of pipe replaced* | | 1,100 | 7,400 | 350 |
| Percentage of Fire Hydrants Exercised | 95% | 95% | 100% | 98% |
| Percentage of preventative maintenance activities achieved | 90% | 90% | 90% | 95% |
| Outcome Measures | | | | |
| % Planned Pipe replaced | | 100% | 100% | 100% |
| Average service interruption per water main break (hours) | 3.8 | 4 | 2.9 | 4 |

*Staff is researching historical data for prior year performance measures.

FY 2012 Adopted Budget - City of Fairfax, Virginia
Cost Center 436120: Water Line Maintenance

| Title | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
|----------------------|----------------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| Salaries | \$521,635 | \$557,900 | \$509,700 | \$524,623 |
| Fringe Benefits | 167,284 | 194,100 | 153,700 | 170,600 |
| Purchased Services | 71,312 | 108,000 | 100,000 | 100,000 |
| Other Charges | 18,849 | 48,500 | 48,000 | 48,500 |
| Supplies & Materials | 208,515 | 278,346 | 273,331 | 279,331 |
| Capital Outlay | 386,174 | 3,210,000 | 3,135,000 | 2,435,000 |
| Total | \$1,373,769 | \$4,396,846 | \$4,219,731 | \$3,558,054 |

| Personnel Classification | Grade | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
|-------------------------------------|--------------|----------------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| Division Superintendent | 25 | 1.0 | 1.0 | 1.0 | 1.0 |
| Crew Supervisor | 18 | 1.0 | 1.0 | 1.0 | 1.0 |
| Utility Worker III | 13 | 2.0 | 2.0 | 2.0 | 2.0 |
| Equipment Operator | 12 | 1.0 | 1.0 | 1.0 | 1.0 |
| Truck Driver I | 9 | 2.0 | 2.0 | 2.0 | 2.0 |
| Utility Maintenance Worker | 7 | 1.0 | 1.0 | 1.0 | 1.0 |
| Total FTE | | 8.0 | 8.0 | 8.0 | 8.0 |

FUNCTION: Water Services

DEPARTMENT: Utilities

DIVISION OR ACTIVITY: Water Administration

BUDGET COMMENTS:

Compared to the last budget, the Administration cost center will increase by 12.3% (\$233,500) in FY 2012. The Management Fee, which notes charges to the department for its share and use of City services evaluated over the previous fiscal year, is expected to increase by 4% (\$53,200). Additional personnel expenses of \$161,100 reflect a higher percent of the director's salary being charged here for water capital project related activities in FY 2012. Compensation increases also provide for a 1.75% market adjustment on January 1, 2012, but merit (step) increases remain frozen.

Line item increases are seen in travel and training (\$1,500) to continue to build a versatile team and a succession plan to accommodate future retirements. Utility engineering costs are estimated to be \$70,000 for continued utility planning and development of human resources efforts, to include computer modeling and asset management improvements and software.

PROGRAM:

Water service management and engineering are provided by the Department of Utilities and includes project delivery, utility billing and customer service, and general administration.

GOAL:

To provide effective leadership, managerial, administrative and engineering support to the water impoundment, treatment and line maintenance divisions in order to enhance department performance. To strengthen environmental sustainability and meet the City's adopted goal of providing unsurpassed user-friendly, customer-focused business practices. To pursue the implementation of infrastructure projects throughout the City with specific emphasis on the adoption and implementation of the CIP. To develop cost scenarios for future water treatment alternatives to enable the City Council to determine the most efficient and effective long term water treatment options.

OBJECTIVES:

- To conduct efficient utility billing for water customers
- To review site plan submitted by developers within 7 business days
- To manage new connections to the water system
- To manage wholesale water sales to Loudoun Water and Fairfax Water
- To manage the Water System Capital Improvement Program
- To have a strong safety program resulting zero "lost time" accidents
- To obtain 100% compliance with all Commonwealth and federal drinking water standards and regulations.

SERVICES AND PRODUCTS:

- Leadership and management services for water divisions
- Utility Billing
- Water emergency response planning
- Water System and service connection Information Management
- Asset Management
- Records Management

FY 2012 Adopted Budget - City of Fairfax, Virginia

FUNCTION: Water Services

DEPARTMENT: Utilities

DIVISION OR ACTIVITY: Water Administration

PERFORMANCE MEASURES:

| Indicators | FY 2009 Actual | FY 2010 Actual | FY 2011 Estimate | FY 2012 Projected |
|------------|-------------------|-------------------|---------------------|----------------------|
|------------|-------------------|-------------------|---------------------|----------------------|

Output

| | | | | |
|----------------------|--|--|----|----|
| Site Plans Reviewed* | | | 20 | 20 |
|----------------------|--|--|----|----|

Outcome

| | | | | |
|---|-----|-----|-----|-----|
| Site Plant reviewed within 7 business days | 95% | 95% | 95% | 90% |
|---|-----|-----|-----|-----|

*Staff is researching historical data for prior year performance measures.

FY 2012 Adopted Budget - City of Fairfax, Virginia

Cost Center 436130: Water Administration and Engineering

| Title | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
|----------------------|----------------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| Salaries | \$203,785 | \$210,200 | \$313,500 | \$326,414 |
| Fringe Benefits | 67,480 | 71,600 | 102,200 | 116,500 |
| Purchased Services | 1,810 | 16,600 | 11,500 | 12,000 |
| Internal Services | 1,523,385 | 1,510,613 | 1,510,623 | 1,565,686 |
| Other Charges | 29,028 | 31,600 | 31,500 | 33,000 |
| Supplies & Materials | 3,466 | 5,800 | 5,800 | 6,300 |
| Capital Outlay | 0 | 50,000 | 50,000 | 70,000 |
| Total | \$1,828,954 | \$1,896,413 | \$2,025,123 | \$2,129,900 |

| Personnel Classification | Grade | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
|-------------------------------------|--------------|----------------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| Director of Utilities | 29 | 0.5 | 0.5 | 0.5 | 0.9 |
| Assistant Director of Utilities | 24 | 0.5 | 0.5 | 0.5 | 0.5 |
| Util. Constr. Projects Coord. | 18 | 0.5 | 0.5 | 0.5 | 0.5 |
| Administrative Assistant IV | 14 | 0.5 | 0.5 | 0.5 | 0.5 |
| Utility Billing Clerk | 12 | 1.0 | 1.0 | 1.0 | 1.0 |
| Total FTE | | 3.0 | 3.0 | 3.0 | 3.4 |

FUNCTION: Water Services

DEPARTMENT: Utilities

DIVISION OR ACTIVITY: Consumer Services

BUDGET COMMENTS:

The decrease in this cost center of 4.5% (\$39,700) is due mainly to the success of the Automated Meter Reading Program. Materials needed for water service line replacement activities and meter replacement parts are fairly minor in nature and will decrease by \$45,000 from the prior fiscal year. Personnel expenses provide for a 1.75% market adjustment on January 1, 2012, but merit (step) increases will remain frozen.

PROGRAM:

The water system is a consumer-oriented enterprise fund providing services to retail and wholesale water customers, including Miss Utility to locate water and Wastewater assets for construction; installation of service lines at the main; new and replacement water meters; meter reading and testing; and water quality monitoring. The division reads all residential meters quarterly and commercial meters monthly.

GOAL:

To satisfy customer needs by monitoring water quality in the distribution system, replacing defective meters, reading meters for billing, and responding to Miss Utility requests and customer inquiries.

OBJECTIVES:

- To replace meters that have registered one million gallons or more
- To replace defective meters
- To answer requests for new meters
- To respond to customer issues within 24 hours
- To process 100% of MISS UTILITY calls within 48 hours

SERVICES AND PRODUCTS:

- Read water meters
- Water service line installation
- Install new water meters
- Replace old or defective meters
- Leak determination
- Customer field services
- Water quality monitoring and sampling

FY 2012 Adopted Budget - City of Fairfax, Virginia

FUNCTION: Water Services**DEPARTMENT: Utilities****DIVISION OR ACTIVITY: Consumer Services****PERFORMANCE MEASURES:**

| INDICATORS | FY 2009 Actual | FY 2010 Actual | FY 2011 Estimated | FY 2012 Projected |
|---|-------------------|-------------------|----------------------|----------------------|
| Output Measures | | | | |
| Percent Miss Utility requests processed within 48 hours* | | | | 100% |
| Percent of required drinking water samples collected by the 5 th of each month, average* | | | | 95% |
| Minimize “no shows” for the year for Miss Utility* | | | | 0 |
| Outcome Measures | | | | |
| Maintain “Zero Liability” for MISS UTILITY calls | 0 | 0 | 0 | 0 |

*Staff is researching historical data for prior year performance measures.

FY 2012 Adopted Budget - City of Fairfax, Virginia

Cost Center 436140: Consumer Services

| Title | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
|----------------------|----------------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| Salaries | \$472,504 | \$479,600 | \$479,200 | \$489,723 |
| Fringe Benefits | 154,719 | 175,800 | 160,900 | 170,200 |
| Purchased Services | 5,297 | 6,115 | 6,000 | 6,000 |
| Other Charges | 2,176 | 5,500 | 5,500 | 6,000 |
| Supplies & Materials | 185,358 | 212,500 | 207,000 | 167,860 |
| Capital Outlay | 0 | 0 | 0 | 0 |
| Total | \$820,054 | \$879,515 | \$858,600 | \$839,783 |

| Personnel Classification | Grade | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
|-------------------------------------|--------------|----------------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| Crew Supervisor | 18 | 1.0 | 1.0 | 1.0 | 1.0 |
| Meter Reading Supervisor | 16 | 1.0 | 1.0 | 1.0 | 1.0 |
| Line Locator | 13 | 1.0 | 1.0 | 1.0 | 1.0 |
| Utility Worker III | 13 | 0.0 | 0.0 | 0.0 | 0.0 |
| Equipment Operator I | 12 | 1.0 | 1.0 | 1.0 | 1.0 |
| Meter Reader | 9 | 2.0 | 2.0 | 2.0 | 2.0 |
| Truck Driver I | 9 | 0.0 | 0.0 | 0.0 | 0.0 |
| Utility Maintenance Worker | 7 | 1.0 | 1.0 | 1.0 | 1.0 |
| Total FTE | | 7.0 | 7.0 | 7.0 | 7.0 |

FUNCTION: Water Services

DEPARTMENT: Utilities

DIVISION OR ACTIVITY: Water Debt Service

BUDGET COMMENTS:

Debt service is currently related to the June 2008 and October 2010 bond issuances. This debt service is related to distribution system improvements as well as upgrades to the City's water treatment plant, the Goose Creek Water Treatment Plant in Ashburn, Virginia. Current bond proceeds from the Virginia Resources Authority (VRA) will include 18 months of capitalized interest.

PROGRAM:

General revenue bonds and debt service instruments are issued, after City Council approval, for projects too large to be funded by current user fee revenues. Such capitalized projects will have a long-term public benefit and ensure adequate treatment, storage and delivery capacity for current and future customers.

GOAL:

To ensure an adequate and efficient potable water system, that is financially secure, by paying principal and interest (debt service) for bond proceeds issued by the VRA to the City to pay for completed treatment, water storage and distribution piping improvements in the City's system.

OBJECTIVE:

- Retire Debt

SERVICES AND PRODUCTS:

- Payment of principal and interest on debt to bond holders.

FY 2012 Adopted Budget - City of Fairfax, Virginia

| |
|---|
| Cost Center 436711: Water Debt Service |
|---|

| Title | FY 2010 <u>Actual</u> | FY 2011 <u>Budget</u> | FY 2011 <u>Estimated</u> | FY 2012 <u>Adopted</u> |
|--------------|----------------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| Debt Service | \$376,303 | \$377,036 | \$579,136 | \$953,283 |
| Total | \$376,303 | \$377,036 | \$579,136 | \$953,283 |

Lease Financing for Utility Improvements
Principal 7-15; Interest 7-15 & 1-15

Payments During Year

| Year Ending June 30 | <u>Principal</u> | <u>Interest</u> | <u>Total Requirement</u> |
|--------------------------------|-------------------------|------------------------|-------------------------------------|
| 2012 | \$184,000 | \$192,425 | \$376,425 |
| 2013 | 192,000 | 184,513 | 376,513 |
| 2014 | 200,000 | 176,257 | 376,257 |
| 2015 | 209,000 | 167,657 | 376,657 |
| 2016 | 218,000 | 158,670 | 376,670 |
| 2017 | 227,000 | 149,296 | 376,296 |
| 2018 | 237,000 | 139,535 | 376,535 |
| 2019 | 247,000 | 129,344 | 376,344 |
| 2020 | 258,000 | 118,723 | 376,723 |
| 2021 | 269,000 | 107,629 | 376,629 |
| 2022 | 280,000 | 96,062 | 376,062 |
| 2023 | 292,000 | 84,022 | 376,022 |
| 2024 | 305,000 | 71,466 | 376,466 |
| 2025 | 318,000 | 58,351 | 376,351 |
| 2026 | 332,000 | 44,677 | 376,677 |
| 2027 | 346,000 | 30,401 | 376,401 |
| 2028 | 361,000 | 15,523 | 376,523 |
| Total | \$4,475,000 | \$1,924,551 | \$6,399,551 |

Purpose: financing for capital improvements to the city's water and wastewater systems.

Principal Amount: \$4,821,000

Date of Issue: June 2008

Collateral / Property Interest: Lyndhurst Water Tank, sewage pumping station, sewage pumps, wet well, and control system.

Lease Financing for Utility Improvements
Principal 10-1; Interest 10-1 & 4-1

| <u>Year Ending</u> <u>June 30</u> | Payments During Year | | <u>Total</u> <u>Requirement</u> |
|--|-----------------------------|------------------------|--|
| | <u>Principal</u> | <u>Interest</u> | |
| 2012 | \$0 | \$1,389,374 | \$1,389,374 |
| 2013 | 0 | 1,389,374 | 1,389,374 |
| 2014 | 0 | 1,389,374 | 1,389,374 |
| 2015 | 485,000 | 1,379,189 | 1,864,189 |
| 2016 | 510,000 | 1,356,494 | 1,866,494 |
| 2017 | 535,000 | 1,331,949 | 1,866,949 |
| 2018 | 565,000 | 1,305,224 | 1,870,224 |
| 2019 | 595,000 | 1,275,064 | 1,870,064 |
| 2020 | 625,000 | 1,243,344 | 1,868,344 |
| 2021 | 660,000 | 1,209,934 | 1,869,934 |
| 2022 | 685,000 | 1,176,552 | 1,861,552 |
| 2023 | 705,000 | 1,142,904 | 1,847,904 |
| 2024 | 730,000 | 1,106,770 | 1,836,770 |
| 2025 | 755,000 | 1,068,073 | 1,823,073 |
| 2026 | 785,000 | 1,026,710 | 1,811,710 |
| 2027 | 815,000 | 980,721 | 1,795,721 |
| 2028 | 850,000 | 930,437 | 1,780,437 |
| 2029 | 880,000 | 878,189 | 1,758,189 |
| 2030 | 920,000 | 823,829 | 1,743,829 |
| 2031 | 955,000 | 767,197 | 1,722,197 |
| 2032 | 995,000 | 707,797 | 1,702,797 |
| 2033 | 1,035,000 | 645,474 | 1,680,474 |
| 2034 | 1,080,000 | 580,542 | 1,660,542 |
| 2035 | 1,125,000 | 512,852 | 1,637,852 |
| 2036 | 1,170,000 | 442,392 | 1,612,392 |
| 2037 | 1,220,000 | 369,012 | 1,589,012 |
| 2038 | 1,270,000 | 292,574 | 1,562,574 |
| 2039 | 1,320,000 | 213,066 | 1,533,066 |
| 2040 | 1,375,000 | 130,325 | 1,505,325 |
| 2041 | 1,435,000 | 44,053 | 1,479,053 |
| Total | \$24,080,000 | \$ 27,108,782 | \$51,188,782 |

Purpose: financing capital improvements to the City's Water and Wastewater systems.

Principal Amount: \$24,080,000

Date of Issue: October 2010

Collateral / Property Interest: Water Treatment Plant

FY 2012 Adopted Budget - City of Fairfax, Virginia
Water Fund Expense Detail

| Account | | FY 2010 Actual | FY 2011 Budget | FY 2011 Estimated | FY 2012 Adopted |
|--|---------------------------------------|--------------------|--------------------|----------------------|---------------------|
| <u>Impoundment & Treatment (436110)</u> | | | | | |
| 511105 | Salaries - Full Time | \$816,655 | \$967,816 | \$888,700 | \$997,964 |
| 511115 | Salaries - Overtime | 148,081 | 80,000 | 110,000 | 81,400 |
| 511125 | Temporary Help | 0 | 10,000 | 3,000 | 25,438 |
| 511130 | On Call Pay | 53,060 | 60,000 | 45,000 | 45,788 |
| 511135 | Holiday Worked | 21,114 | 20,000 | 20,000 | 22,385 |
| 511165 | Year End Audit Adj | 13,520 | 0 | 0 | 0 |
| 512110 | Fringe Benefits | 385,459 | 423,600 | 415,700 | 455,600 |
| 530113 | Contract Services | 31,067 | 160,000 | 175,000 | 224,000 |
| 530125 | Lab Testing Fees | 9,033 | 9,800 | 10,000 | 15,800 |
| 530350 | Building Maintenance | 16,170 | 29,000 | 12,000 | 29,000 |
| 530351 | Equipment Maintenance | 94,910 | 142,000 | 30,000 | 142,000 |
| 530815 | Health Dept Program Fee | 20,000 | 20,000 | 24,000 | 22,000 |
| 550110 | Utilities Expense | 556,638 | 726,000 | 500,000 | 550,000 |
| 550430 | Equipment Rental | 10,357 | 11,000 | 0 | 18,000 |
| 550501 | Travel & Training | 5,307 | 6,000 | 6,000 | 6,000 |
| 550820 | Dues & Subscriptions | 245 | 1,800 | 1,000 | 1,800 |
| 560110 | Office Supplies | 713 | 400 | 2,000 | 700 |
| 560351 | Repair Parts | 36,772 | 40,000 | 25,000 | 40,000 |
| 560352 | Fuels & Lubricants | 214 | 200 | 500 | 700 |
| 560359 | Change in Inventory | 36,239 | 0 | 0 | 0 |
| 560420 | Operating Supplies | 37,530 | 40,000 | 24,000 | 40,000 |
| 560421 | Pipe & Accessories | 2,757 | 0 | 0 | 0 |
| 560422 | Construction Material | 4,564 | 130,000 | 10,000 | 80,000 |
| 560430 | Operating Material | 3,331 | 0 | 700 | 0 |
| 560435 | Soil & Mulch | 50 | 300 | 0 | 300 |
| 560501 | Chemicals - Other | 232 | 59,100 | 40,000 | 60,100 |
| 560551 | Chlorine | 37,070 | 40,000 | 44,000 | 42,000 |
| 560552 | Lime | 30,909 | 50,000 | 40,000 | 40,000 |
| 560553 | Carbon | 42,050 | 44,000 | 30,000 | 50,000 |
| 560554 | Fluoride | 28,837 | 52,000 | 32,000 | 28,000 |
| 560555 | Caustic Soda | 153,374 | 200,000 | 170,000 | 220,000 |
| 560556 | Corrosion Inhibitor | 26,680 | 0 | 0 | 0 |
| 560557 | Ferric | 262,461 | 450,000 | 240,000 | 450,000 |
| 560559 | Potassium Perm. | 20,787 | 85,000 | 70,000 | 36,000 |
| 580108 | Other Mach & Equip Replace | 11,979 | 100,000 | 0 | 0 |
| 580208 | New Other Mach & Equip | 241,446 | 0 | 90,000 | 0 |
| 580330 | Plant Upgrade Construction Program | 0 | 0 | 0 | 6,300,000 |
| 580410 | Utility Engineering | 39,897 | 0 | 0 | 35,000 |
| 580412 | Goose Creek Raw Water Pumping Station | 32,371 | 1,500,000 | 200,000 | 0 |
| 580414 | Beaver Dam Facilities | 21,000 | 0 | 0 | 0 |
| 580444 | SCADA | 0 | 200,000 | 0 | 0 |
| 580445 | Chemical Facilities Upgrade | 0 | 3,000,000 | 0 | 0 |
| 580446 | High Service Pump Station | 0 | 1,100,000 | 200,000 | 0 |
| Subtotal | | \$3,252,879 | \$9,758,016 | \$3,458,600 | \$10,059,974 |

FY 2012 Adopted Budget - City of Fairfax, Virginia

Water Fund Expense Detail Continued

| Account | | FY 2010 Actual | FY 2011 Budget | FY 2011 Estimated | FY 2012 Adopted |
|---|-------------------------------|--------------------|--------------------|----------------------|--------------------|
| <u>Line Maintenance (436120)</u> | | | | | |
| 511105 | Salaries - Full Time | \$447,694 | \$467,900 | \$425,800 | \$438,644 |
| 511115 | Salaries - Overtime | 55,120 | 66,100 | 60,000 | 61,050 |
| 511125 | Temporary Help | 0 | 0 | 0 | 0 |
| 511130 | On Call Pay | 17,534 | 22,400 | 22,400 | 23,403 |
| 511135 | Holiday Worked | 1,287 | 1,500 | 1,500 | 1,526 |
| 511160 | Incentive Awards | 0 | 0 | 0 | 0 |
| 511165 | Year end Audit Adj | 0 | 0 | 0 | 0 |
| 511180 | Salary Reimbursement | 0 | 0 | 0 | 0 |
| 512110 | Fringe Benefits | 167,284 | 194,100 | 153,700 | 170,600 |
| 530113 | Contract Services | 60,024 | 82,000 | 80,000 | 80,000 |
| 530351 | Equipment Maintenance | 11,288 | 26,000 | 20,000 | 20,000 |
| 550110 | Utilities Expense | 4,014 | 5,500 | 7,000 | 7,000 |
| 550430 | Equipment Rental | 3,169 | 5,000 | 5,000 | 5,000 |
| 550501 | Travel & Training | 4,330 | 5,000 | 5,000 | 5,500 |
| 550731 | Employee Awards | 0 | 1,000 | 1,000 | 1,000 |
| 550806 | Other Services | 7,336 | 32,000 | 30,000 | 30,000 |
| 550820 | Dues & Subscriptions | 0 | 0 | 0 | 0 |
| 560110 | Office Supplies | 168 | 750 | 750 | 750 |
| 560120 | Small Equipment | 29,518 | 40,000 | 35,000 | 40,000 |
| 560420 | Operating Supplies | 15,496 | 28,000 | 28,000 | 29,000 |
| 560421 | Pipe & Accessories | 69,149 | 92,515 | 92,500 | 92,500 |
| 560422 | Construction Material | 33,342 | 47,238 | 47,238 | 47,238 |
| 560423 | Asphalt | 32,224 | 45,843 | 45,843 | 45,843 |
| 560424 | Concrete | 406 | 4,000 | 4,000 | 4,000 |
| 560430 | Operating Material | 28,212 | 20,000 | 20,000 | 20,000 |
| 580105 | Vehicle Replacement | 36,157 | 170,000 | 170,000 | 100,000 |
| 580108 | Other Mach & Equip Replace | 0 | 0 | 0 | 0 |
| 580208 | New Other Machine & Equipment | 0 | 0 | 0 | 0 |
| 580410 | Utility Engineering | 0 | 0 | 0 | 0 |
| 580422 | Asphalt Patching | 117,785 | 170,000 | 170,000 | 170,000 |
| 580423 | 24" Trans. Main Rehab. | 0 | 50,000 | 50,000 | 275,000 |
| 580424 | Water Main Replacement | 0 | 1,750,000 | 1,750,000 | 1,000,000 |
| 580426 | Tank Maintenance | 164,511 | 240,000 | 240,000 | 160,000 |
| 580444 | SCADA | 0 | 100,000 | 50,000 | 0 |
| 580447 | Automated Meter Reading | 67,721 | 680,000 | 680,000 | 680,000 |
| 580448 | GIS | 0 | 50,000 | 25,000 | 50,000 |
| Subtotal | | \$1,373,769 | \$4,396,846 | \$4,219,731 | \$3,558,054 |

FY 2012 Adopted Budget - City of Fairfax, Virginia
Water Fund Expense Detail Continued

| Account | | FY 2010 Actual | FY 2011 Budget | FY 2011 Estimated | FY 2012 Adopted |
|---|--------------------------------|--------------------|---------------------|----------------------|---------------------|
| <u>Administration (436130)</u> | | | | | |
| 511105 | Salaries - Full Time | \$203,785 | \$209,700 | \$313,000 | \$326,414 |
| 511115 | Salaries - Overtime | 0 | 0 | 0 | 0 |
| 511160 | Incentive Awards | 0 | 500 | 500 | 0 |
| 512110 | Fringe Benefits | 67,480 | 71,600 | 102,200 | 116,500 |
| 530113 | Contract Services | 980 | 15,000 | 10,000 | 10,000 |
| 530521 | Printing & Duplicating Expense | 0 | 1,000 | 500 | 500 |
| 530620 | Advertising | 830 | 600 | 1,000 | 1,500 |
| 540060 | Management Fee | 1,338,635 | 1,322,168 | 1,322,168 | 1,375,357 |
| 540102 | Motor Pool Charges | 184,750 | 188,445 | 188,455 | 190,329 |
| 550501 | Travel & Training | 1,618 | 4,000 | 4,000 | 5,500 |
| 550806 | Other Services | 27,360 | 27,000 | 27,000 | 27,000 |
| 550820 | Dues & Subscriptions | 50 | 600 | 500 | 500 |
| 560110 | Office Supplies | 2,981 | 4,000 | 4,000 | 4,500 |
| 560120 | Small Equipment | 485 | 1,800 | 1,800 | 1,800 |
| 580410 | Utility Engineering | 0 | 50,000 | 50,000 | 70,000 |
| | Subtotal | \$1,828,954 | \$1,896,413 | \$2,025,123 | \$2,129,900 |
| <u>Consumer Services (436140)</u> | | | | | |
| 511105 | Salaries - Full Time | \$395,210 | \$414,400 | \$405,000 | \$ 412,189 |
| 511115 | Salaries - Overtime | 42,463 | 35,000 | 40,000 | 40,700 |
| 511125 | Temporary Help | 17,717 | 10,000 | 14,000 | 16,280 |
| 511130 | On Call Pay | 16,581 | 16,000 | 16,000 | 16,280 |
| 511135 | Holiday Worked | 533 | 4,200 | 4,200 | 4,274 |
| 511160 | Incentive Awards | 0 | 0 | 0 | 0 |
| 512110 | Fringe Benefits | 154,719 | 175,800 | 160,900 | 170,200 |
| 530351 | Equipment Maintenance | 5,297 | 6,115 | 6,000 | 6,000 |
| 550430 | Equipment Rental | 2,176 | 4,000 | 4,000 | 4,000 |
| 550501 | Travel & Training | 0 | 1,500 | 1,500 | 2,000 |
| 550806 | Other Services | 0 | 0 | 0 | 0 |
| 560110 | Office Supplies | 0 | 1,000 | 500 | 500 |
| 560120 | Small Equipment | 136 | 1,500 | 1,500 | 2,000 |
| 560410 | New Water Meters & Parts | 78,686 | 97,500 | 95,000 | 75,000 |
| 560411 | Replacement Meters & Parts | 97,938 | 97,500 | 95,000 | 75,000 |
| 560420 | Operating Supplies | 7,589 | 12,000 | 12,000 | 12,360 |
| 560421 | Pipe & Accessories | 180 | 3,000 | 3,000 | 3,000 |
| 560430 | Operating Material | 829 | 0 | 0 | 0 |
| | Subtotal | \$820,054 | \$879,515 | \$858,600 | \$839,783 |
| <u>Water Debt Service (436711)</u> | | | | | |
| 530113 | Contract Services | | | | |
| 590105 | Principal | \$169,000 | \$177,000 | \$134,321 | \$139,633 |
| 590110 | Interest | 207,303 | 200,036 | 444,815 | 813,650 |
| 590120 | Bond Issuance Costs | 0 | 0 | 0 | 0 |
| | Subtotal | \$376,303 | \$377,036 | \$579,136 | \$953,283 |
| Total Water Fund | | \$7,681,220 | \$17,307,826 | \$11,141,191 | \$17,540,994 |